

# NIRMAAN

DEPARTMENT OF CIVIL ENGINEERING



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(Assistant Professor)

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## College Vision

*"Striving for a symbiosis of technological excellence and human values."*

## College Mission

*"To arm young brains with competitive technology and nurture holistic development of the individuals for a better tomorrow."*

## Program Educational Objectives (PEO's)

⇒ *To provide a better understanding of basic sciences and fundamentals of civil engineering.*

⇒ *To develop competence in latest technologies to serve the industry or pursue higher studies.*

⇒ *To inculcate professionalism with effective communication skills and ethical values.*

## Program Specific Outcomes (PSO's)

- ◆ *Understand various concepts of basic engineering sciences and mathematics to learn advanced concepts of Civil Engineering and apply them to practical problems.*
- ◆ *Apply principles of various specializations of Civil engineering including structural engineering, transportation engineering, environmental engineering, water resources engineering and Geotechnical engineering to tackle engineering problems.*
- ◆ *Acquire knowledge of ethical practices, communication skills, technical report writing skills and collaborative effort leading to lifelong learning.*

*"Life is nothing to be very serious about.  
Life is a ball in your hands to play with  
Don't hold on to the ball"*

*-- Sri Sri Ravi Shankar*

## ***PROGRAM OUTCOMES***

### **Engineering Graduates will be able to:**

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



## Eminent Visitors at the Department

- ◆ K. Venu Gopal, Director (Retired), GW&WA Department, Government of Andhra Pradesh delivered an Expert Lecture on “Applications of Fluid Mechanics” for B.E. IV Semester Civil Engineering students on 01.04.2021.
- ◆ Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. delivered an Expert Lecture on “High Rise Buildings” for B.E. IV Semester Civil Engineering students on 01.04.2021.
- ◆ Dr. B. Biswanath Dash, Professor, BITS Pilani, Hyderabad delivered an Expert Lecture on “Disaster Warning and Coastal Resilience Cyclone Titli and Fani” for B.E. IV Semester Civil Engineering students on 09.04.2021.
- ◆ Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. delivered an Expert Lecture on “Contract Administration and Project Appraisal” for B.E. IV Semester Civil Engineering students on 10.04.2021.
- ◆ Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. delivered an Expert Lecture on “Project Discussion” for B.E. IV Semester Civil Engineering students on 23.04.2021.
- ◆ Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. delivered an Expert Lecture on “Reinforced Concrete Cement Structures” for B.E. VI Semester Civil Engineering students on 18.05.2021.
- ◆ Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. delivered an Expert Lecture on “Water Proofing and Weather Proofing” for B.E. VI Semester Civil Engineering students on 21.05.2021.
- ◆ Mr.Gummi Ram Reddy is Founder, Chairman and Managing Director of ARK Group delivered an Expert Lecture on “Career Guidance for Civil Engineers” for B.E. IV, VI and VIII Semester Civil Engineering students on 23.05.2021.
- ◆ Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. delivered an Expert Lecture on “Pre Engineered Buildings” for B.E. VIII Semester Civil Engineering students on 29.05.2021.
- ◆ S.V Shiva Prasad Sharma, Scientist/Engineer National Remote Sensing Center, at ISRO Hyderabad delivered an Expert Lecture on “Disaster Management” for B.E. VI Semester Civil Engineering students on 10.06.2021.
- ◆ S.V Shiva Prasad Sharma, Scientist/Engineer National Remote Sensing Center, at ISRO Hyderabad delivered an Expert Lecture on “Applications of Remote Sensing in Disaster Management” for B.E. VI Semester Civil Engineering students on 11.06.2021.
- ◆ Er.Surya Prakash (Adjunct Faculty), Satya Vani, Projects and Consultants Pvt. Ltd. delivered an Expert Lecture on “Formwork and Scaffolding” for B.E. VI Semester Civil Engineering students on 26.06.2021.
- ◆ Mr. R. Mohit Mathur, Professional Facilitator & Coach, Hyderabad has delivered 29 lectures on “Project Management (Open Elective Course)” for students of other Department of BE VI-Semester from 23.03.2021 to 03.06.2021.

# In-house events Organized



*The Department of Civil Engineering organized an Five days Skill Development Programme during from 19.02.2021 to 24.02.2021 in the all labs for lab technicians*



*Two days workshop on “Redefining the World of Mobility with Pioneering Transportation Solution (RWMPTS 2021) for BE IV, VI & VIII Semester Civil Engineering Students on 21st May 2021 and 22nd May 2021.*

*The Department of Civil Engineering organized an two days Skill Development Programme on 02.03.2021 & 03.03.2021 in the Advanced surveying techniques using Total Station and GPS for lab tech-*





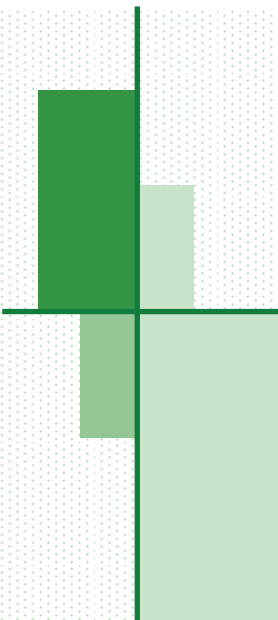
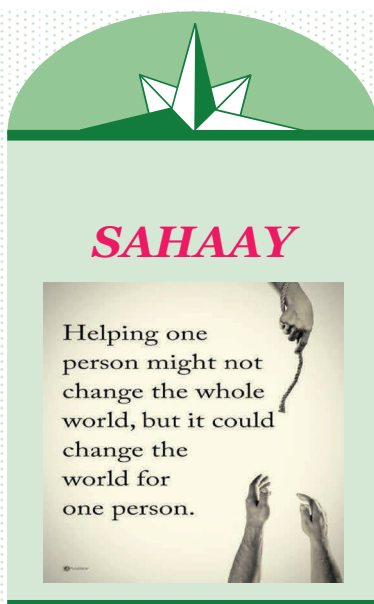
## Staff Achievements

- ♣ Dr. M.V.Rama Rao, Professor, delivered a Civil Tech talk on “A weekly Technical talk series on practical civil engineering issues by Experts from the Industry and Academia effect of wind load on Structure” organised by Telangana Academy for skill and Knowledge (TASK), in association with NIT Warangal.
- ♣ Dr. B. Sridhar, Professor & Head, department of civil engineering was Attended a seminar on “CIIMT’s Skills Summit with the theme ‘Unleashing the Future of Skills & Workplaces IMT Hyderabad on 20.02.2021
- ♣ Sri. M.V.S.S.Sastri, Associate Professor, department of civil engineering was attended Five days Online Workshop on “Recent Advances in Infrastructure Technology” organized by Department of Civil Engineering, National Institute of Technology Sikkim during 02.03.2021 to 06.03.2021



## student Achievements

Mr. S. Arun Kumar, Bearing roll no 1602-14-732-308 was selected as Junior Engineering in RRB South West Railway – 2018-19 Passed out batch.



***“Luck is not in your hands,  
But decision is in your hands”***

***Luck can’t make your decision, But your decision can make luck . . .***

***--- A.P.J. Abdul Kalam***